

IN THE CLAIMS

Please amend the claims as follows:

1. (Currently Amended) A rewritable optical record carrier comprising a recording stack of layers with a first dielectric layer; and a recording layer comprising a phase-change recording material; and; a second dielectric layer; and a mirror layer deposited onto the second dielectric layer side of the recording stack, characterized in that a thermal barrier layer is arranged adjacent to said first dielectric layer opposite the mirror layer.
2. (Currently Amended) A rewritable optical record carrier according to as claimed in claim 1, characterized in that it the rewritable optical record carrier further comprises a substrate carrying said stack of layers having said thermal barrier layer arranged between said first dielectric layer and said substrate.
3. (Currently Amended) A rewritable optical record carrier according to as claimed in claim 2, characterized in that the refraction index of said thermal barrier layer is close to the refraction index of said substrate.

4. (Currently Amended) A-The rewritable optical record carrier according toas claimed in claim 1, characterized in that it-the rewritable optical record carrier further comprises a cover layer (220) attached to said thermal barrier layer.

5. (Currently Amended) A-The rewritable optical record carrier according toas claimed in claim 4, characterized in that the refraction index of said thermal barrier layer is close to the refraction index of said cover layer.

6. (Currently Amended) A-The rewritable optical record carrier according toas claimed in claim 2, characterized in that said substrate material is polycarbonate or PMMA.

7. (Currently Amended) A-The rewritable optical record carrier according toas claimed in claim 4, characterized in that said cover layer material is polycarbonate or transparent polymer resin..

8. (Currently Amended) A-The rewritable optical record carrier according toas claimed in claim 1, characterized in that said thermal barrier layer material comprises SiO₂ or Al₂O₃ as its-a major component.

9. (Currently Amended) A-The rewritable optical record carrier according toas claimed in claim 1, characterized in that said first

and second dielectric layer materials comprise one of the following components or a mixture thereof: ZnS, SiO₂, Si₃N₄, Al₂O₃ or Ta₂O₅.

10. (Currently Amended) A—The rewritable optical record carrier according to as claimed in claim 1, characterized in that said phase-change recording material comprises a mixture of Ge, In, Sb, and Te.